

IN THE SENATE OF THE UNITED STATES.

DECEMBER 4, 1893.—Laid on the table, and ordered to be printed.

The VICE-PRESIDENT presented the following:

STATEMENT FROM THE U. S. COMMISSION OF FISH AND FISHERIES SHOWING EXPENDITURES UNDER ALL APPROPRIATIONS FOR PROPAGATION OF FOOD FISHES FROM JULY 1, 1892, TO JUNE 30, 1893.

U. S. COMMISSION OF FISH AND FISHERIES,
Washington, D. C., December 4, 1893.

SIR: In compliance with the act approved March 3, 1887 (24 Statutes, p. 523), I have the honor to forward herewith statement showing expenditures under all appropriations for propagation of food fishes during the fiscal year ending June 30, 1893, and also under certain other appropriations therein enumerated.

Very respectfully,

M. McDONALD,
Commissioner.

The VICE-PRESIDENT.

Statement of expenditures from July 1, 1892, to June 30, 1893, from the following items of appropriation designated as "Propagation of food fishes, 1893."

U. S. Commission of Fish and Fisheries: For compensation of the Commissioner.....	\$5,000.00
Propagation of food fishes: For the introduction by the U. S. Fish Commission into and the increase in the waters of the United States of food fishes and other useful products of the waters, including lobsters, oysters, and other shellfish, and for such general and miscellaneous expenditures as the Commissioner of Fish and Fisheries may find necessary to the prosecution of his work, including salaries or compensation of all necessary employes.....	142,500.00
Distribution of food fishes: For the distribution of the eggs and young of the whitefish, salmon, shad, carp, cod, lobster, the fishes indigenous to the valley of the Mississippi River, and other useful inhabitants of the waters, including salaries or compensation of all necessary employes.....	45,000.00
Maintenance of vessels: For the maintenance of the vessels and steam launches of the U. S. Fish Commission, and for boats, apparatus, machinery, and other facilities required for use with the same, including salaries or compensation of all necessary employes.....	43,900.00
Inquiry respecting food fishes: For continuing the inquiry into the causes of the decrease of food fishes in the lakes, rivers, and coast waters of the United States, and for the study of the waters of the interior in the interests of fish culture; for continuing the investi-	

gation of the fishing grounds of the Atlantic, Gulf, and Pacific coasts, with the view of determining their food resources, in the interest of the development of the commercial fisheries, and for the preparation of reports relative to the inquiry, including salaries or compensation and field expenses of expert assistants, and other necessary employes.....

\$15,000.00

Two thousand dollars of which, or so much thereof as may be necessary, may be expended in examining the Clarks Fork of the Columbia River, with the view to ascertain the obstructions which prevent the ascent of salmon up said river to the Flathead Lake and adjacent waters.

Statistical inquiry: For the study of the methods, relation, and statistics of the fisheries, with a view to their improvement; for the study of the resources of the fishing grounds of the Atlantic, Gulf, and Pacific coasts, and the determination of methods for the development of the same; for the collection and compilation of the statistics of the fisheries of all portions of the United States, including persons employed, capital invested, and the quantity and value of the products; for the preparation of reports relating to the inquiry, and for such general and miscellaneous expenditures as the Commissioner may find necessary in the prosecution of this work, including salaries or compensation and field expenses of experts and other necessary employes.....

15,000.00

And 10 per cent of the foregoing amounts for the general expenses of the work of the Commission shall be available interchangeably for expenditure on the objects named.

(U. S. Statutes, 27, pp. 360 and 361.)

Total..... 266,400.00

Propagation of food fishes: For the introduction by the U. S. Fish Commission into and the increase in the waters of the United States of food fishes and other useful products of the waters, including lobsters, oysters, and other shellfish, and for such general and miscellaneous expenditures as the Commissioner of Fish and Fisheries may find necessary to the prosecution of his work, including salaries or compensation of all necessary employes.....

10,000.00

Maintenance of vessels: For the maintenance of the vessels and steam launches of the Commission, and for boats, apparatus, machinery, and other facilities required for use with the same, including salaries or compensation of all necessary civilian employes.....

25,000.00

(Deficiency act, approved March 3, 1893.)

Aggregate..... 301,400.00

EXPENDITURES.

OFFICES OF ADMINISTRATION.

Salary of Commissioner.....	\$5,000.00
Compensation of employes.....	46,194.36
Stationery.....	2,355.06
Reports on special subjects.....	765.40
Publications.....	1,198.95
Illustrations.....	69.00
Furniture and equipment.....	1,272.46
Travel.....	1,681.36
Repairs to building.....	68.17
Fuel and gas.....	853.83
Incidental expenditures, including telephone service, freights, supplies, etc.....	1,509.24

\$60,967.83

International exchanges:

Expenses connected with the exchange of species of fish with foreign countries.....

3.10

General field assistants:

Compensation.....

1,478.39

General equipment:

Fish cultural	\$316.10
---------------------	----------

MAINTENANCE OF STATIONS.

Grand Lake Stream, Maine (salmon):

Compensation of employés	\$379.64	
Travel	17.75	
Rent	62.50	
Equipment	1.57	
Incidentals, including fish food, etc	107.20	
		568.66

Craig Brook, Maine (salmon and trout):

Compensation of employés	3,932.29	
Buildings and ponds, maintenance and repair	581.18	
Equipment	217.45	
Collection of eggs	938.42	
Fish food	204.68	
Incidentals, including fuel, freights, etc	125.38	
		5,999.40

Green Lake, Maine (salmon and trout):

Compensation of employés	3,618.40	
Travel	149.48	
Buildings and ponds, maintenance and repair	13.78	
Equipment	253.66	
Collection of eggs	333.08	
Fish food	205.86	
Incidentals, including fuel, light, freights, etc	669.23	
		5,243.49

Gloucester, Mass. (cod, lobster, etc.):

Compensation of employés	2,247.98	
Travel	76.36	
Buildings, maintenance and repair	28.93	
Equipment, maintenance and repair	147.41	
Fuel and light	480.36	
Collection of eggs	281.09	
Incidentals	14.25	
		3,276.38

Woods Holl, Mass. (cod, lobster, etc.):

Compensation of employés	5,628.64	
Travel	331.32	
Buildings, maintenance and repair	215.65	
Equipment, maintenance and repair	389.02	
Fuel and light	928.42	
Breeding fish	179.79	
Launches	1,725.04	
Incidentals, including fish food, freights, etc	229.46	
		9,627.34

Cold Spring Harbor, New York (salmon):

Compensation of employé	41.66
-------------------------------	-------

Gloucester, N. J. (shad):

Equipment	6.40	
Fish and eggs	209.06	
		215.46

Havre de Grace, Md. (shad):

Compensation of employés	2,808.04	
Travel	139.53	
Buildings, maintenance and repair	111.55	
Equipment, maintenance and repair	93.14	
Fuel and light	127.39	
Breeding fish and spawn	472.20	
Launches, maintenance and repair	735.07	
Incidentals, including freights, etc	17.20	
		4,504.12

Bryans Point, Maryland (shad):

Compensation of employes	\$1,657.65	
Travel	7.50	
Buildings, maintenance and repair	185.93	
Equipment, maintenance and repair	359.49	
Fuel and light	289.42	
Rent	100.00	
Collection of eggs	163.01	
Launches, maintenance and repair	303.90	
Incidentals, including freights, etc	61.80	
		\$3,128.70

Central station (general propagation):

Compensation of employes	8,716.50	
Building, maintenance and repair	62.69	
Equipment, maintenance and repair	452.12	
Incidentals, including fuel, light, freights, etc	108.21	
		9,339.52

Central station aquaria:

Compensation of employes	1,940.00	
Travel	36.48	
Equipment	479.24	
Fuel and light	279.40	
Collection of specimens	248.71	
Fish food	81.86	
Incidentals, including freights, etc	48.93	
		3,114.62

Fish ponds, Monument Lot (carp, etc.):

Compensation of employes	5,334.65	
Buildings and ponds, maintenance and repair	97.67	
Equipment, maintenance and repair	220.59	
Fuel and light	143.24	
Incidentals, including fish food, etc	57.55	
		5,853.70

Wytheville, Va. (salmon, trout, etc.):

Compensation of employes	3,151.22	
Buildings and ponds, maintenance and repair	22.19	
Equipment, maintenance and repair	177.33	
Rent	500.00	
Fuel and light	126.55	
Fish food	645.21	
Incidentals, including fish and eggs, etc	80.69	
		4,703.19

Put-in Bay, Ohio (whitefish, pike-perch):

Compensation of employes	3,692.18	
Travel	28.40	
Equipment, maintenance and repair	374.06	
Fuel and light	31.39	
Spawn	874.67	
Launches, maintenance and repair	2,336.44	
Incidentals, including freights, etc	27.89	
		7,365.03

Northville, Mich. (salmon, trout, etc.):

Compensation of employes	5,010.31	
Travel	24.30	
Equipment, maintenance and repair	165.89	
Fuel and light	216.19	
Breeding fish and eggs	366.80	
Fish food	750.60	
Incidentals, including freights, etc	125.42	
		6,659.51

Alpena, Mich. (whitefish):

Compensation of employes	2,273.83	
Travel	138.85	
Buildings, maintenance and repair	19.01	
Equipment, maintenance and repair	71.12	
Fuel and light	43.22	
Spawn	456.73	

Alpena, Mich. (whitefish)—Continued.

Incidentals, including freights, water supply, etc.....	\$277. 15	
		\$3, 279. 91

Duluth, Minn. (whitefish, trout, etc.):

Compensation of employes.....	5, 097. 42	
Travel.....	336. 15	
Buildings and ponds, maintenance and repair.....	187. 95	
Equipment, maintenance and repair.....	495. 96	
Fuel and light.....	937. 98	
Spawn.....	489. 78	
Incidentals, including fish food, freights, etc.....	64. 08	
		7, 609. 32

Neosho, Mo. (pond fish):

Compensation of employes.....	3, 462. 49	
Buildings and ponds, maintenance and repair.....	401. 19	
Equipment, maintenance and repair.....	83. 29	
Fish food.....	373. 40	
Incidentals, including fuel and light.....	108. 69	
		4, 429. 06

Leadville, Colo. (trout):

Compensation of employes.....	5, 280. 00	
Buildings and ponds, maintenance and repair.....	8. 55	
Equipment, maintenance and repair.....	764. 17	
Fuel and light.....	322. 80	
Water supply.....	999. 96	
Collection of fish and eggs.....	399. 39	
Fish food.....	215. 50	
Incidentals, including freights, etc.....	90. 70	
		8, 081. 07

Baird, Cal. (trout):

Compensation of employes.....	4, 416. 02	
Travel.....	187. 11	
Buildings and ponds, maintenance and repair.....	326. 65	
Equipment, maintenance and repair.....	405. 70	
Fuel and light.....	114. 78	
Collection of fish and eggs.....	434. 87	
Incidentals, including freights, etc.....	53. 28	
		5, 938. 41

Fort Gaston, Cal. (salmon):

Compensation of employes.....	1, 397. 70	
Travel.....	567. 16	
Buildings and ponds, maintenance and repair.....	76. 49	
Equipment, maintenance and repair.....	144. 75	
Collection of fish and eggs.....	64. 50	
Incidentals, including fuel, light, fish food, etc.....	93. 10	
		2, 343. 70

Clackamas, Oregon (salmon):

Compensation of employes.....	3, 095. 86	
Buildings and ponds, maintenance and repair.....	87. 32	
Equipment, maintenance and repair.....	125. 21	
Fuel and light.....	55. 50	
Collection of fish and eggs.....	834. 03	
Incidentals, including hire of horse, freights, etc.....	356. 65	
		4, 554. 57

Collection and movement of miscellaneous fishes:

Compensation of employes.....	462. 38	
Travel.....	1, 344. 23	
Equipment.....	28. 75	
Collection of fish and eggs.....	257. 32	
		2, 092. 68

DISTRIBUTION.

Shad:

Compensation of employes.....	986. 89	
Movement of cars.....	333. 40	
Travel.....	670. 02	
		1, 990. 31

Carp:		
Compensation of employes.....		\$747.08
Movement of cars.....		984.90
Travel.....		315.09
		<hr/>
		2,047.07
Salmon and trout:		
Compensation of employes.....	\$4,613.84	
Movement of cars.....	2,046.74	
Travel.....	2,191.34	
Equipment.....	13.69	
	<hr/>	
		8,865.61
Whitefish:		
Compensation of employes.....	52.50	
Travel.....	538.85	
	<hr/>	
		591.35
Native food fishes:		
Compensation of employes.....	9,079.36	
Movement of cars.....	1,274.80	
Travel.....	834.22	
Equipment.....	231.84	
Incidentals.....	9.61	
	<hr/>	
		11,429.83
Pike perch:		
Compensation of employes.....	286.45	
Movement of cars.....	245.60	
Travel.....	267.34	
	<hr/>	
		799.39
Collection and movement of miscellaneous fishes:		
Compensation of employes.....	2,222.22	
Movement of cars.....	3,258.69	
Travel.....	359.92	
	<hr/>	
		5,840.83
General distribution:		
Cars, maintenance and repair.....	4,757.21	
Car equipment, maintenance and repair.....	2,191.42	
Purchase of car.....	3,000.00	
Hire of horse and wagon.....	354.00	
General equipment, maintenance.....	726.71	
	<hr/>	
		11,029.34
VESSELS.		
Steamer <i>Albatross</i>:		
Compensation of civilian employes.....	5,875.42	
Travel.....	1,150.62	
Vessel, maintenance and repair.....	16,664.31	
Equipment, maintenance and repair.....	8,101.03	
Fuel and water.....	583.70	
Laboratory supplies.....	330.00	
Incidentals, including medical supplies, freights, etc.....	418.47	
	<hr/>	
		33,123.55
Steamer <i>Fish Hawk</i>:		
Compensation of civilian employes.....	1,081.29	
Travel.....	332.44	
Vessel, maintenance and repair.....	415.22	
Equipment, maintenance and repair.....	1,861.88	
Fuel and water.....	1,335.29	
Incidentals, including medical supplies, light, freights, etc.....	355.70	
	<hr/>	
		5,381.82
Schooner <i>Grampus</i>:		
Compensation of employes.....	\$9,156.16	
Travel.....	57.60	
Vessel, maintenance and repair.....	349.16	
Equipment, maintenance and repair.....	713.47	

Schooner *Grampus*—Continued.

Fuel and water	\$31.55	
Incidentals, including medical supplies, light, freights, etc	481.28	
		\$10,789.22

Launch *Petrel*:

Compensation of employés	3,262.80	
Travel	73.60	
Repairs	364.58	
Equipment	90.37	
Fuel	70.75	
Incidentals	20.98	
		3,883.08

Launch *Blue Wing*:

Compensation of employés	92.80	
Repairs	147.89	
Equipment	8.50	
Fuel	12.68	
		261.87

Launch *Canvas-Back*:

Compensation of employés	500.00	
Incidentals	25.30	
		525.30

Vessels, general:

Fuel	514.45	
Equipment	562.18	
		1,076.63

DIVISION OF SCIENTIFIC INQUIRY.

Inquiry respecting food fishes:

Compensation of employés	\$10,226.06	
Equipment, maintenance and repair	1,416.78	
Travel and field expenses	2,119.46	
Incidentals, including stationery, illustrations, books, freights, etc	586.76	
		\$14,349.06

DIVISION OF FISHERIES.

Statistical inquiry:

Compensation of employés	\$13,068.11	
Travel and field expenses	3,515.75	
Equipment, maintenance and repair	35.20	
Incidentals, including stationery, illustrations, etc	56.99	
		\$16,676.05

Total expenditures

299,395.23

Unexpended balance

2,004.77

301,400.00

Fish hatcheries, Maine:

Unexpended balance as per report submitted December 1, 1892 ..	7.80
Green Lake and Craigs Brook, Maine: For the completion of the fish-cultural stations at Green Lake and Craigs Brook, Maine, including construction of ponds, buildings, roads, grad- ing, and buoyage, and all necessary materials and equipment, and pay of employés required for the same	8,000.00

(Being for the fiscal years 1892 and 1893.)

8,007.80

(U. S. Statutes, 27, p. 284.)

Expenditures:

Craigs Brook, Maine:

Buildings, etc	1,144.68
Equipment	62.13

Fish hatcheries, Maine—Continued.

Expenditures—Continued.

Green Lake, Maine:

Examination of title to land	\$210.00
Buildings	548.95
Ponds, reservoirs, etc	741.13
Grading roads, etc	1,318.74
Equipment	885.36
Repairs to dam, flumes, etc	250.55
Buoyage	84.99

5,246.53

Unexpended balance

2,761.27

\$8,007.80

Fish hatchery in Vermont:

Unexpended balance as per report submitted December 1, 1892.. 4,700.87

Fish hatchery, Vermont:

For the completion of the fish-cultural station in Vermont, authorized by the act approved March 3, 1891, including the erection of buildings, introduction of a water supply, construction of ponds, equipment, and such other expenditures as may be deemed by the United States Commissioner of Fish and Fisheries necessary to establish the station on an efficient basis

10,000.00

14,700.87

(U. S. Statutes, 27, p. 361.)

Expenditures:

Expenses selecting site:

Examination of title to land	\$165.46
Surveying, travel, etc	150.27
Purchase of site	2,470.00

2,785.73

Unexpended balance

11,915.14

14,700.87

Fish hatchery in New York:

Unexpended balance as per report submitted December 1, 1892.. 4,764.47

Expenditures:

Travel	\$75.16
Unexpended balance	4,689.31

4,764.47

Fish hatcheries in Montana and Texas:

For the establishment of fish-cultural stations in the States of Montana and Texas, at points to be selected by the U. S. Commissioner of Fish and Fisheries, including the purchase of the necessary lands and water rights, the erection of buildings, and for for such other constructions, equipment, and work necessary to place the stations on an efficient basis, as follows:

In Montana, \$10,000; in Texas, \$10,000; in all..... 20,000.00

(U. S. Statutes, 27, p. 361.)

Expenditures:

Montana:

Expenses selecting site:

Services, travel, etc	920.45
Purchase of land	3,500.00

4,420.45

Unexpended balance

5,579.55

10,000.00

Fish hatcheries in Montana and Texas—Continued.

Expenditures—Continued.

Texas:

Expenses selecting site:

Services, travel, etc \$880.33

Unexpended balance 9,119.67

\$10,000.00

Fish hatchery in the State of Washington:

For investigation and report respecting the advisability of establishing a fish-hatching station at some suitable point in the State of Washington, or so much thereof as may be necessary.

1,000.00

(U. S. Statutes, 27, p. 362.)

Expenditures:

Expenses selecting site:

Services 402.15

Travel, etc 427.21

829.36

Unexpended balance 170.64

1,000.00

Fish hatcheries in the States of South Dakota, Iowa, and

Nebraska:

For investigation and report respecting the advisability of establishing fish-hatching stations at suitable points in the States of South Dakota, Iowa, and Nebraska, or so much thereof as may be necessary.

1,000.00

(U. S. Statutes, 27, p. 362.)

Expenditures:

Services 456.66

Travel, etc 440.57

Equipment 52.30

949.53

Unexpended balance 50.47

1,000.00

Fish hatchery, Lake County, Colo.:

Unexpended balance as per report submitted December 1, 1892.

1,732.34

Fish hatchery, Lake County, Colo.:

For the introduction of a water supply to the station of the U. S. Fish Commission in Lake County, Colo., including construction of dam across Rock Creek, the building of a reservoir, laying of pipe or other conduits, the purchase of necessary materials, and all other incidental expenses for the same.

15,000.00

And the Commissioner of Fish and Fisheries is hereby authorized and empowered, either by purchase for money not exceeding \$250, or other consideration, to secure any land or rights, not now belonging to the United States, including rights of way and water rights, necessary to accomplish the object for which provision is hereby made: *Provided*, That the total expenditure for all purposes shall not exceed the sum hereby appropriated, and that any and all agreements looking to the acquisition of rights not now held by the Government shall be approved by the Attorney-General before such agreements shall be binding upon the United States.

16,732.34

Fish hatchery, Lake County, Colo.—Continued.

(U. S. Statutes, 27, p. 361.)

Expenditures:

Equipment.....	\$99.70
Buildings, repairs, etc.....	338.35
Construction of ponds.....	793.99

	1,232.04
Unexpended balance.....	15,500.30

\$16,732.34

Fish hatchery at Northville, Mich.:

Unexpended balance as per report submitted December 1, 1891.. 5,000.00

Fish hatchery, Northville, Mich.

For the completion of the fish-cultural station at Northville,
Mich.....

3,000.00

8,000.00

(U. S. Statutes, 27, p. 361.)

Expenditures:

Development of pond system and water supply.....	6,048.50
Unexpended balance	1,951.50

8,000.00

Steam vessels, food-fishes:

Unexpended balance as per report submitted December 1, 1892.. 2,817.95

Expenditures:

Albatross:

New decks in gangways.....	91.95
Boilers.....	2,500.00
Foretop and crosstrees.....	38.00

2,629.95

Unexpended balance..... 188.00

2,817.95